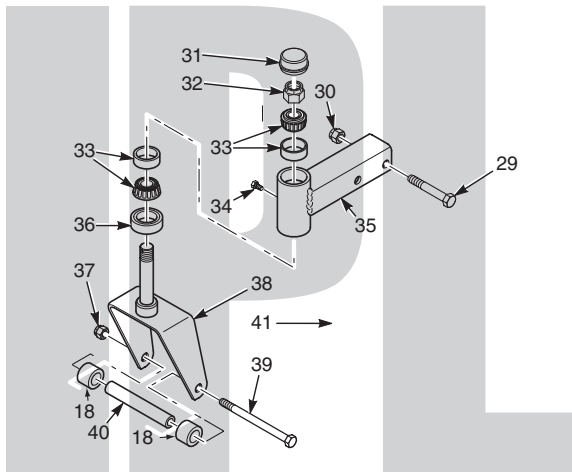


SCAG[®]

POWER EQUIPMENT



ILLUSTRATED PARTS MANUAL



Model STT-Diesel Turf Tiger

THIS MANUAL CONTAINS THE ILLUSTRATED PARTS LIST FOR MODELS:

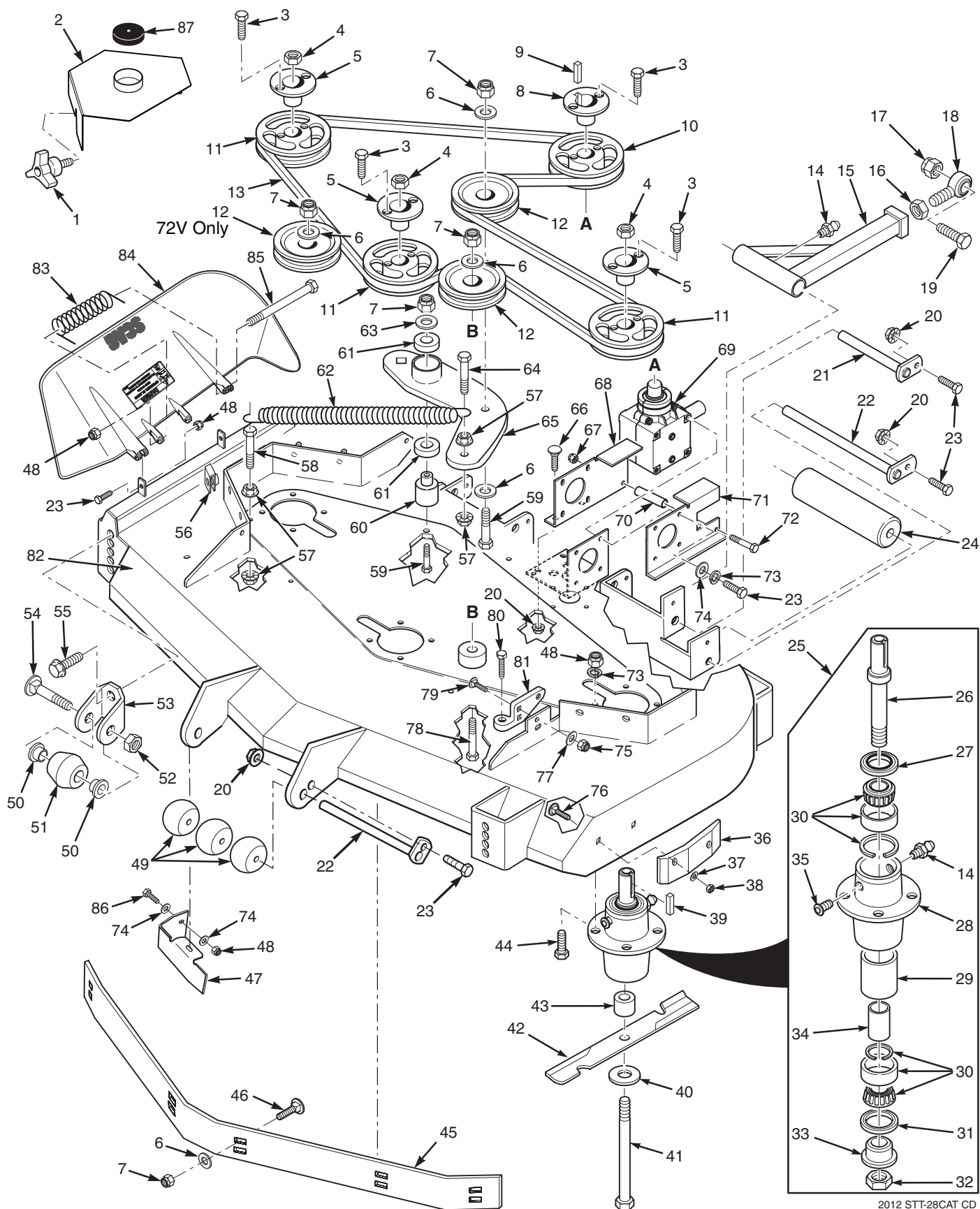
STT61V-28CAT
STT-28CAT
SMT-72V

with a serial number of H9400001 to H9499999
with a serial number of J0000001 to J0099999
with a serial number of J1200001 to J1299999

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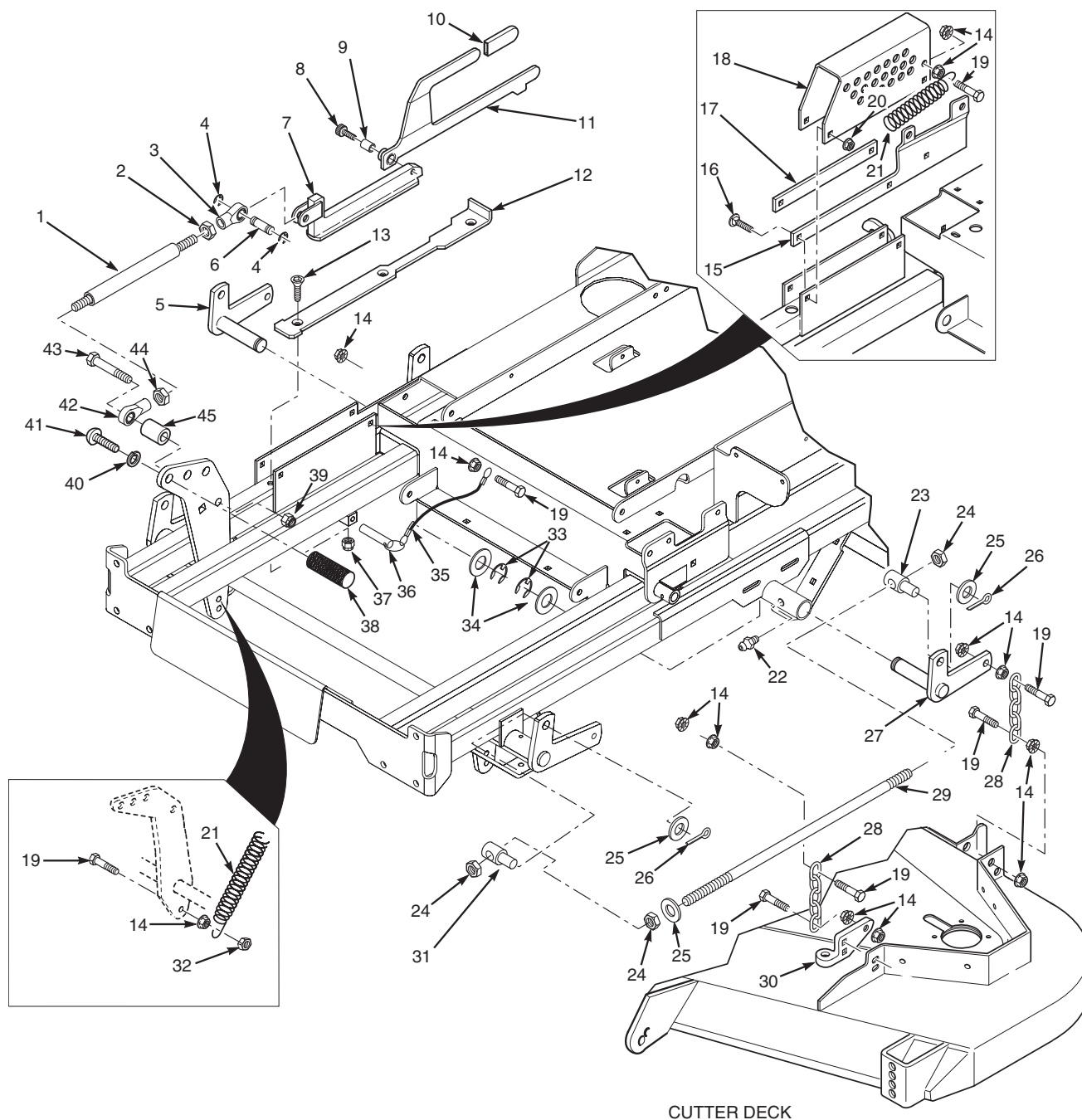
61V & 72V Cutter Deck



61V & 72V Cutter Deck

Ref. No.	Part No.	Description	61	72	Ref. No.	Part No.	Description	61	72
1	481625-01	Wing Nut, 3/8-16	X	X	45	424841	Baffle, Custom Cut 61V	X	
2	491796	Belt Cover	X			424917	Baffle, Custom Cut 72V		X
	491883	Belt Cover RH		X	46	04003-23	Bolt, Carriage 3/8-16 x 1"	X	X
	491882	Belt Cover LH		X	47	424209	Discharge Baffle 61V	X	X
3	04001-172	Bolt, Hex Head 1/4-20 x 1" Grd 8	X	X		424856	Discharge Baffle 72V	X	X
4	04020-09	Nut, 5/8-11 UNC	X	X	48	04021-22	Nut, Hex Elastic Stop 5/16-18 Grd 8	X	X
5	48926	Tapered Hub, 1-1/8" Bore	X	X	49	482295	Wheel, Anti-Scalp	X	X
6	04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	X	X	50	48100-15	Bushing, .376 I.D. Oilite	X	X
7	04021-09	Nut, Hex Elastic Stop 3/8-16	X	X	51	481632	Anti-Scalp Wheel	X	X
8	48141	Tapered Hub, 1" Bore	X	X	52	04021-05	Locknut, 3/8-16 Center Lock	X	X
9	04063-01	Key, 1/4 x 1/4 x 1-1/4"	X	X	53	422478	Anti-Scalp Wheel Bracket	X	X
10	482746	Pulley, 6.75 O.D.	X		54	04003-26	Bolt, Carriage 3/8-16 x 4"	X	X
	482747	Pulley, 6.95 O.D.		X	55	04017-27	Bolt, Hex Serrated Flange 3/8-16 x 1"	X	X
11	482744	Pulley, 5.75 O.D.	X		56	04110-03	U-Nut, 3/8-16	X	X
	482746	Pulley, 6.75 O.D.		X	57	04019-04	Nut, Hex Serrated Flange 3/8-16	X	X
12	483215	Pulley, Idler	X	X	58	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"	X	X
13	483741	Belt, Cutter Deck Drive	X		59	04001-54	Bolt, Hex Head 3/8-16 x 3"	X	X
	481980	Belt, Cutter Deck Drive		X	60	43681	Pivot, Idler - Short	X	X
14	48114-04	Grease Fitting	X	X	61	48224	Bearings, Ball	X	X
15	461516	Pusharm (incl. items 14, 16, & 18)	X	X	62	483704	Spring, Cutter Deck	X	X
16	04020-16	Nut, Hex Head 5/8-18 UNF	X	X	63	04043-04	Flatwasher, 3/8-.39 x .938 x .105 HD	X	X
17	04021-13	Nut, Hex Elastic Stop 5/8-11	X	X	64	04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grd 8	X	X
18	48763	Rod End, 5/8" Male RH Thread	X	X	65	461842	Idler Arm, Cutter Deck	X	X
19	04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"	X	X	66	04003-12	Bolt, Carriage 5/16-18 x 3/4"	X	X
20	04019-03	Nut, Hex Serrated Flange 5/16-18	X	X	67	04021-10	Nut, Elastic Stop 5/16-18	X	X
21	451240	Push Arm Shaft	X	X	68	424798	Mounting Plate, RH Gearbox	X	X
22	45944	Roller Shaft	X	X	69	482486	Gearbox Assembly, Deck Drive	X	X
23	04001-12	Bolt, Hex Head 5/16-18 x 1-3/4"	X	X	70	43763	Spacer, Gearbox Mount	X	X
24	48038	Wheel, Anti-Scalp	X	X	71	424799	Mounting Plate, LH Gearbox	X	X
25	461663	Spindle Assembly	X	X	72	04001-154	Bolt, Hex Head 5/16-18 x 4-3/4"	X	X
26	43589	Spindle Shaft	X	X	73	04030-03	Lockwasher, 5/16"	X	X
27	481024	Seal, Top	X	X	74	04040-15	Flatwasher, 5/16" (.375 x .875 x .083)	X	X
28	43644	Spindle Housing	X	X	75	04021-11	Nut, Elastic Stop 7/16-14	X	X
29	43312	Spacer, Outside	X	X	76	04003-12	Bolt, Carriage 5/16-18 x 3/4"	X	X
30	481022	Bearing Assembly	X	X	77	04040-11	Flatwasher, 7/16-.500 x 1.25 x .083	X	X
31	481025	Seal, Bottom	X	X	78	04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"	X	X
32	481035	Nut, Special 1-1/16-18	X	X	79	04003-40	Bolt, Carriage 7/16-14 x 1-1/4"	X	X
33	43297	Spindle Bushing, Bottom	X	X	80	483167	Bolt, Deck Adjust	X	X
34	43296	Spacer, Inside	X	X	81	461929	Lever Assy, Deck Level (Incl. 80)	X	X
35	48677	Relief Fitting, Tapered Spindle	X	X	82	462411	Cutter Deck 61 V w/Decals	X	
36	483176	Wear Pad	X			462144	Cutter Deck 72 V w/Decals		X
	483174	Wear Pad		X	83	483378	Spring, Discharge Chute	X	X
37	04040-04	Flatwasher, 5/16"	X	X	84	461846	Discharge Chute 61V	X	
38	04021-04	Nut, Center Lock 5/16-18	X	X		462132	Discharge Chute 72V		X
39	04063-08	Key, 1/4 x 1/4 x 2"	X	X	85	04001-108	Bolt, Hex Head 5/16-18 x 4-1/2"	X	X
40	04043-06	Flatwasher, 5/8" Hardened	X	X	86	04001-09	Bolt, Hex Head 5/16-18 x 1"	X	X
41	04001-41	Bolt, Hex Head 5/8-11 x 9-1/2"	X	X	87	484368	Cap, Spindle	X	
42	482879	Cutter Blade, 21"	X						
	482882	Cutter Blade, 24.5"		X					
43	43590	Spacer, Spindle Bottom	X	X					
44	04001-176	Bolt, Hex Head 5/16-18 x 1-3/4"	X	X					

CUTTER DECK CONTROLS

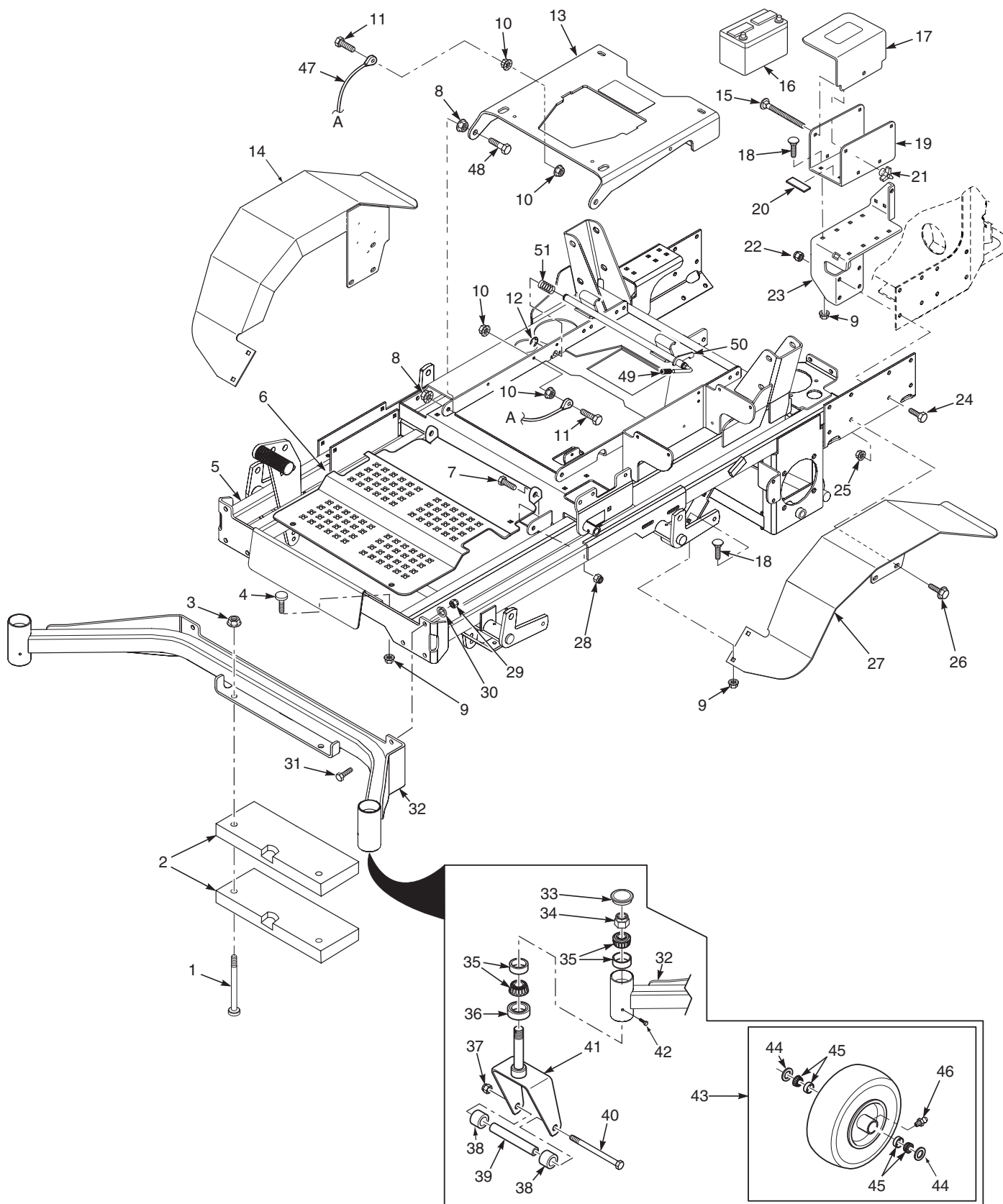


STT-28CAT 2008CDC

CUTTER DECK CONTROLS

Ref. No.	Part No.	Description
1	481764	Link, Deck Lift
2	04020-28	Nut, Jam 1/2-20 LH
3	481766	Rod End, Female - 1/2-20 LH
4	04050-10	Ring, Retaining 1/2" External "E"
5	45905	Bellcrank Weldment, RH Rear
6	43487	Pin, Decklift
7	482429	Slide Weldment, Height Adjustment
8	04009-02	Bolt, Shoulder 1/2 x 3/4"
9	48100-14	Bushing, .502 ID.
10	481428	Grip, Deck Latch
11	462102	Deck Latch (Includes items 9 & 10)
12	424857	Lockplate, Decklift
13	04014-03	Screw, Cap 5/16-18 x 3" FHHS
14	04019-04	Nut, Hex Serrated Flange 3/8-16
15	423509	Guide, Long
16	04003-04	Bolt, Carriage 5/16-18 x 1"
17	422381	Guide, Short
18	423463	Bracket, Cutting Height Adjustment
19	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
20	04019 -03	Nut, Hex Serrated Flange 5/16-18
21	481598	Spring, Helper (61" & 72" Cutter Decks Only)
22	48114-04	Grease Fitting
23	43526	Swivel Joint, LH
24	04020-09	Nut, Hex 5/8-11
25	04040-09	Flatwasher, 5/8" (.656 x 1.312 x .095)
26	04061-07	Cotter Pin, 3/16 x 1"
27	45904	Bellcrank Weldment, LH Rear
28	48540	Chain
29	04004-48	Stud, 5/8-11 x 26.0"
30	461929	Lever Assembly, Deck Level
31	43527	Swivel Joint, RH
32	04021-05	Locknut, 3/8-16 Center Lock
33	04050-08	Ring, Retaining 1" External "E"
34	04041-14	Flatwasher, 1" (1.062 x 1.50 x .048)
35	481547	Lanyard, Deck Height Pin
36	04067-09	Ring Pin, 1/2 x 3.06"
37	04021-09	Nut, 3/8-16 Elastic Stop
38	424504	Foot Pedal, Height Adjustment
39	04021-07	Nut, Hex Elastic Stop 1/2-13
40	04030-07	Lockwasher, 5/8"
41	04105-01	Capscrew, 5/8-11 x 1-1/2"
42	481765	Rod End, Female - 1/2-20 RH
43	04001-74	Bolt, Hex Head 1/2-13 x 3"
44	04020-27	Nut, Jam 1/2-20 RH
45	43391	Spacer, Decklift Pedal

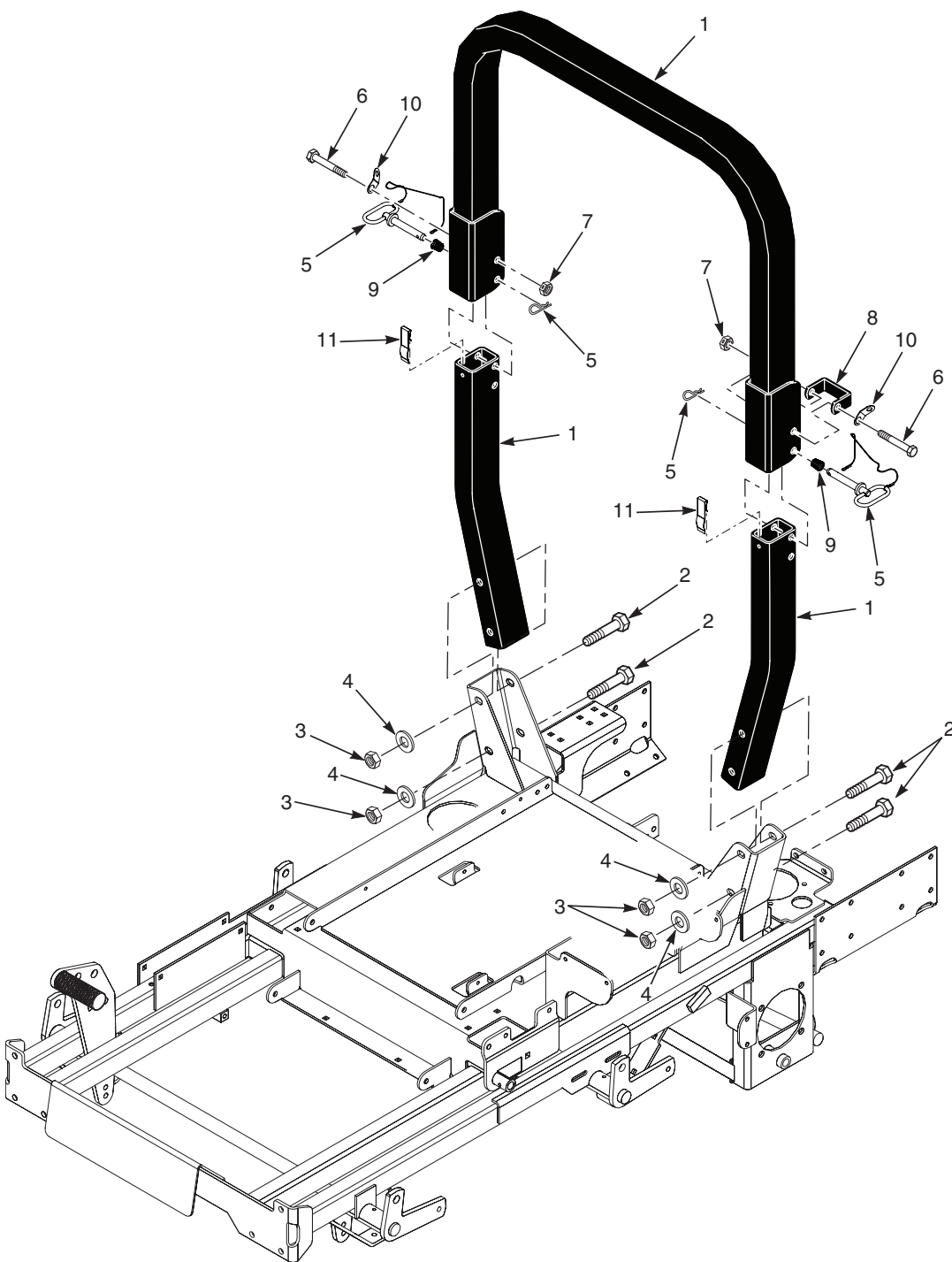
SHEET METAL COMPONENTS



SHEET METAL COMPONENTS

Ref. No.	Part No.	Description
1	04001-145	Bolt, Hex Head 1/2-13 x 3.5"
2	41020	Weight
3	04021-07	Nut, Hex Elastic Stop 1/2-13
4	481284	Bumper, Rubber 5/16-18 x 5/8"
5	462330	Main Frame Assembly w/Decals
6	424847	Foot Plate
7	04001-19	Bolt, Hex Head 3/8-16 x 1"
8	04019-05	Nut, Hex Serrated Flange 7/16-14
9	04019-03	Nut, Hex Serrated Flange 5/16-18
10	04019-02	Nut, Hex Serrated Flange 1/4-20
11	04001-02	Bolt, Hex Head 1/4-20 x 1-1/4"
12	04050-01	Retaining Ring .625" EXT. "E"
13	491730	Seat Plate Weldment w/Decal
14	451481	Fender Weldment, RH
15	04003-01	Bolt, Carriage 1/4-20 x 6"
16	*	Battery (not avail. through Scag)
17	422682	Cover, Battery
18	04003-12	Bolt, Carriage 5/16-18 x 3/4"
19	462007	Plate, Battery Box
20	48661	Rubber Pad
21	04029-01	Wing Nut, 1/4-20 x 3/4"
22	04021-09	Nut, Elastic Stop 3/8-16
23	424488	Battery Box Mount
24	04001-19	Bolt, Hex Head 3/8-16 x 1"
25	04019-04	Nut, Hex Serrated Flange 3/8-16
26	04017-27	Screw, Hex Serrated Flange 3/8-16 x 1"
27	451480	Fender Weldment, LH
28	04021-09	Nut, Hex Elastic Stop 3/8-16
29	04021-11	Nut, Elastic Stop 7/16-14
30	04030-05	Lockwasher, 7/16"
31	04001-28	Bolt, Hex Head 7/16-14 x 1-1/4"
32	452202	Extention Weldment, Caster (Use with 61" Deck)
	452203	Extention Weldment, Caster (Use with 72" Deck)
33	484195	Cap, Grease
34	04021-20	Nut, Hex Elastic Stop 1.0"-14
35	481657	Bearing W/Race
36	481025	Seal, 2.00" OD. x 1.625" Bore
37	04021-07	Nut, Hex Elastic Stop 1/2-13
38	43584	Spacer, Caster Wheel
39	43583	Sleeve, Caster Wheel
40	04001-167	Bolt, Hex Head 1/2-13 x 9-1/2"
41	451416	Yoke Weldment, Caster
42	482028-01	Plug, 1/4-28 THD Form
43	92785	Wheel Assembly, (Inc. 44, 45, & 46)
44	482622	Seal
45	482621	Bearing w/ Race
46	48114-10	Grease Fitting
47	48566	Cable, Seat Stop
48	04001-117	Bolt, Hex Head 7/16-14 x 1-3/4"
49	484341	Grip, Seat Latch
50	491731	Lever Assembly, Seat Release
51	483371	Spring, Seat Latch

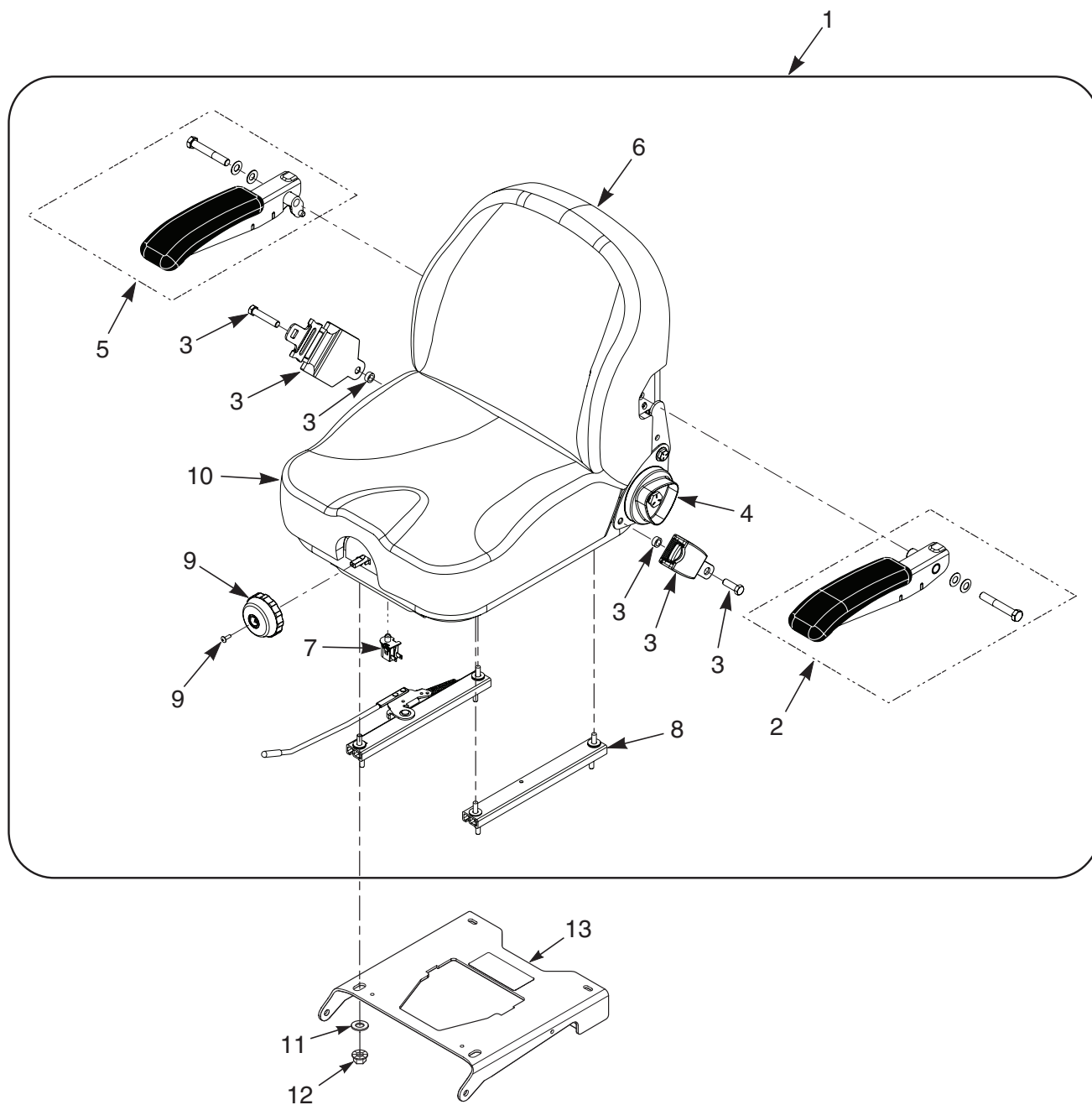
STT ROLL-OVER PROTECTION SYSTEM



STT ROLL-OVER PROTECTION SYSTEM

Ref. No.	Part No.	Description
1	462210	STT, ROPS
2	04001-87	Bolt, Hex Head 1/2-13 x 4"
3	04021-19	Nut, Center Lock 1/2-13
4	04040-13	Flatwasher, 1/2-.562 x 1.375 x .109
5	484168	Pin Assembly (incl. #9 & #10)
6	04001-163	Bolt, Hex Head 1/2-13 x 3-3/4"
7	04021-07	Nut, Center Lock 1/2-13
8	425487	Stop Bracket, ROPS
9	484170	Spring, ROPS
10	484169	Clip, ROPS
11	484167	Spring Clip, ROPS

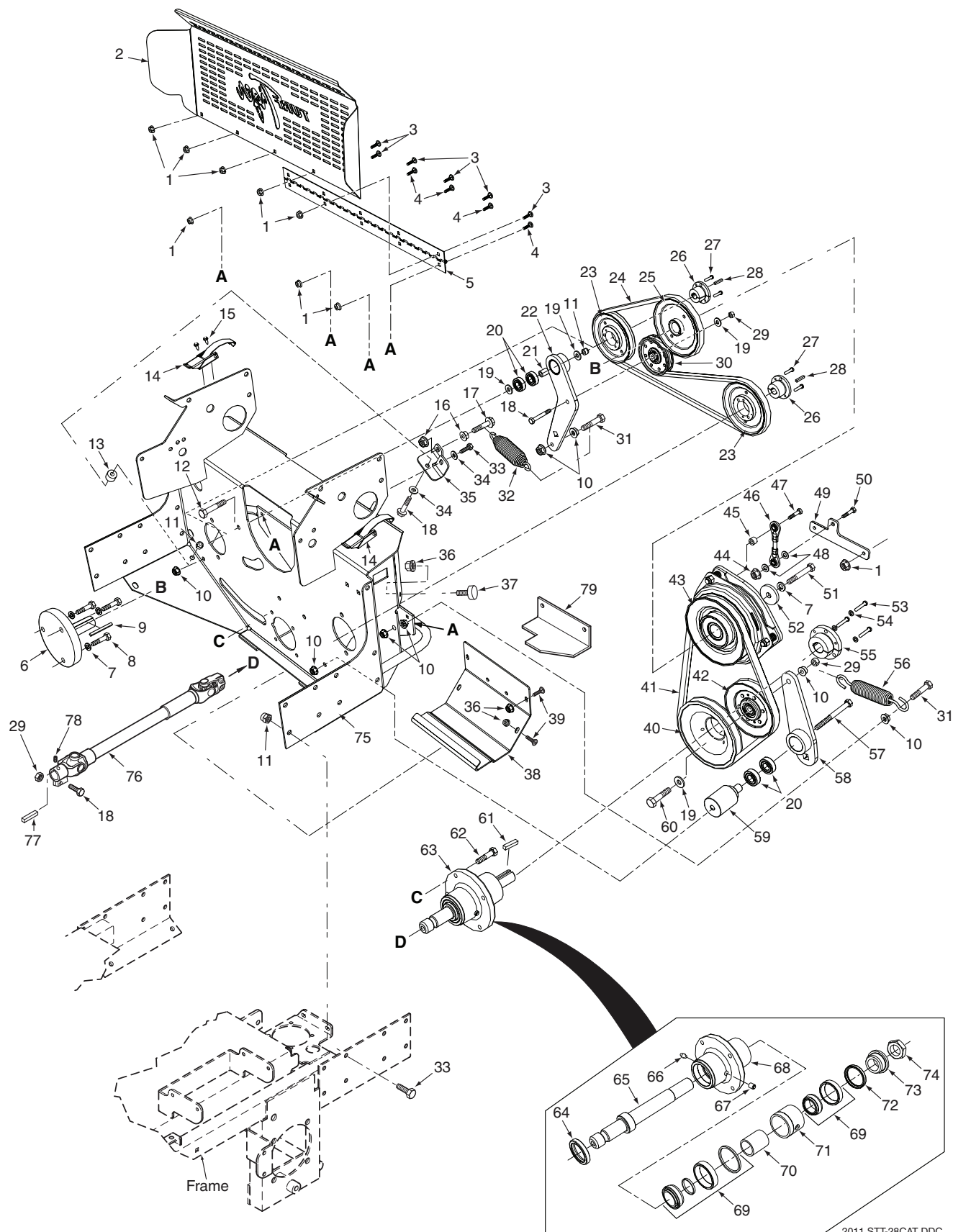
STT SUSPENSION SEAT



STT SUSPENSION SEAT

Ref. No.	Part No.	Description
1	922A	Suspension Seat Assembly w/seat belt
2	484709	Armrest Kit, LH
3	484717	Seat Belt Kit
4	484711	Recliner Knob Kit
5	484710	Armrest Kit, RH
6	484712	Back Cover
7	481638	Seat Switch
8	484713	Track Kit
9	484714	Suspension Knob Kit
10	484708	Seat Cushion
11	04041-07	Flatwasher, 3/8-.391 x .938 x .105
12	04019-03	Nut, Serrated Flange 5/16-18
13	491730	Seat Plate Weldment w/Decal

DECK DRIVE COMPONENTS

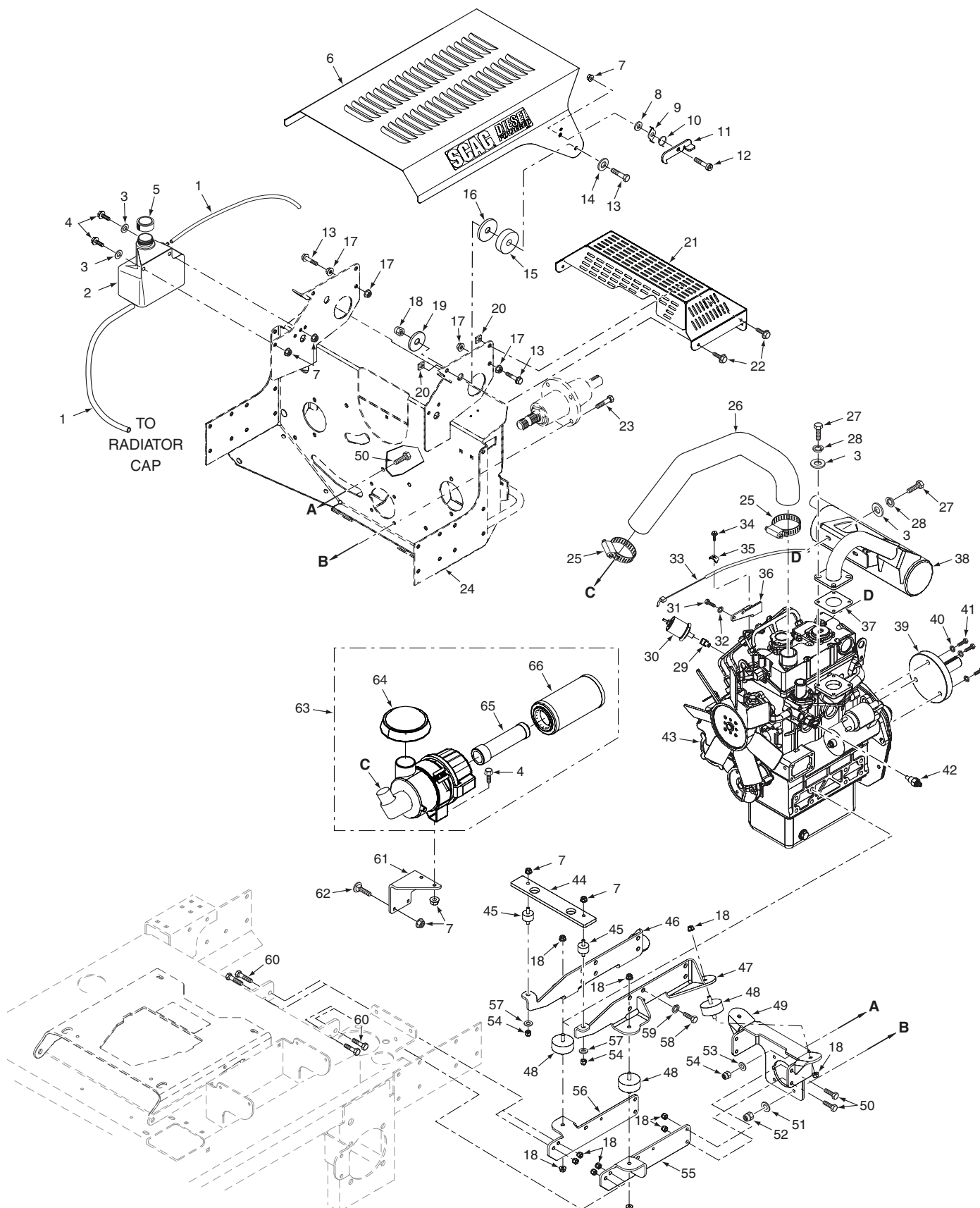


2011 STT-28CAT DDC

DECK DRIVE COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	04019-02	Nut, Serrated Flange 1/4-20	46	482433	Rod Assembly, Clutch Anti-Rotation
2	423925	Belt Guard, Rear	47	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"
3	04003-07	Bolt, Carriage 1/4-20 x 1/2"	48	04040-04	Flatwasher, 5/16"
4	04003-02	Bolt, Carriage 1/4-20 x 3/4"	49	423465	Bracket, Anchor, Anti-Rotation
5	481531	Hinge, Belt Guard	50	04001-10	Bolt, Hex Head 5/16-18 x 1-1/4"
6	43772	Stub Shaft	51	04102-03	Bolt, Hex Head 7/16-20 x 2-1/4"
7	04030-05	Lockwasher, 7/16" Spring	52	04041-28	Flatwasher, 7/16-.469 x 1.75 x .25
8	04002-26	Bolt, Hex Head M10 x 1.5 x 35	53	04001-109	Bolt, Hex Head 1/4-20 x 1-3/8"
9	04063-23	Key, 1/4 x 1/4 x 3-1/4"	54	04030-02	Lockwasher, 1/4" Spring
10	04019-04	Nut, Serrated Flange 3/8-16	55	481536	Tapered Hub, 1" Bore
11	04021-09	Nut, Elastic Stop 3/8-16	56	483430	Spring, PTO
12	04001-135	Bolt, Hex Head 3/8-16 x 1-3/4" Grd 8	57	04001-171	Bolt, Hex Head 3/8-16 x 4-1/2" Grd 8
13	43286	Spacer	58	461609	Idler Arm Weldment, PTO Drive
14	481309	Latch, Hood	59	43632	Pivot, Idler PTO
15	04011-11	Screw, #10-32 x .56	60	04001-170	Bolt, Hex Head 3/8-16 x 2-1/2" Grd 8
16	04019-06	Nut, Serrated Flange 1/2-13	61	04063-06	Key, 1/4 x 1/4 x 1-1/2"
17	04001-185	Bolt, Hex Head 1/2-13 x 2" Grd 8	62	04001-176	Bolt, Hex Head 5/16-18 x 1-3/4" Grd 8
18	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"	63	461665	Spindle Assembly, Deck Drive
19	04043-04	Washer, 3/8" Hardened	64	481024	Seal, 2.0 OD x 1.5 Bore
20	48224	Ball Bearing	65	43534	Shaft, Deck Drive
21	43631	Spacer, Idler Bearing	66	48114-04	Grease Fitting, 1/4-28
22	461608	Idler Arm Weldment, Pump Drive	67	48677	Relief Fitting
23	482744	Pulley, 5.75" O.D.	68	43644	Spindle Housing
24	483735	Belt, Pump Drive	69	481022	Roller Bearing Tapered
25	483732	Pulley, 6.35 Dia. - 1.125 Bore	70	43296	Spacer, Inside
26	481884	Tapered Hub, 17mm Bore	71	43312	Spacer, Outside
27	04001-172	Bolt, Hex Head 1/4-20 x 1" Grd 8	72	481025	Seal, 2.0 OD x 1.625 Bore
28	04063-27	Key, 5 x 5 x 35 mm	73	43297	Spindle Bushing, Bottom
29	04021-05	Nut, Center Lock 3/8-16	74	481035	Nut, 1.06-18 Thread
30	483214	Pulley, Idler 4" Dia.	75	452005	Pump Mounting Plate Weldment
31	04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grd 8	76	482438	Driveshaft
32	483088	Spring, Transmission Idler	77	04063-20	Key, 1/4 x 1/4 x 1"
33	04001-19	Bolt, Hex Head 3/8-16 x 1"	78	04012-08	Set Screw, 3/8-16 x 3/4" Torx Socket
34	04041-07	Flatwasher, 3/8-.391 x .938 x .105	79	425214	Bracket, Idler Stop
35	424764	Bracket			
36	04019-03	Nut, Serrated Flange 5/16-18			
37	481284	Bumper, Rubber			
38	424691	Cover, Rear			
39	04003-12	Bolt, Carriage 5/16-18 x 3/4"			
40	481398	Pulley, 6.35 Tapered Bore			
41	481460	Belt, Deck Drive			
42	48181	Pulley, Idler 5" Dia.			
43	462011	Clutch, Ogura GT 3.5 - 1.125 Bore			
44	04021-10	Nut, Hex Elastic Stop 5/16-18			
45	43587	Spacer			

ENGINE & ATTACHING PARTS - CAT DIESEL

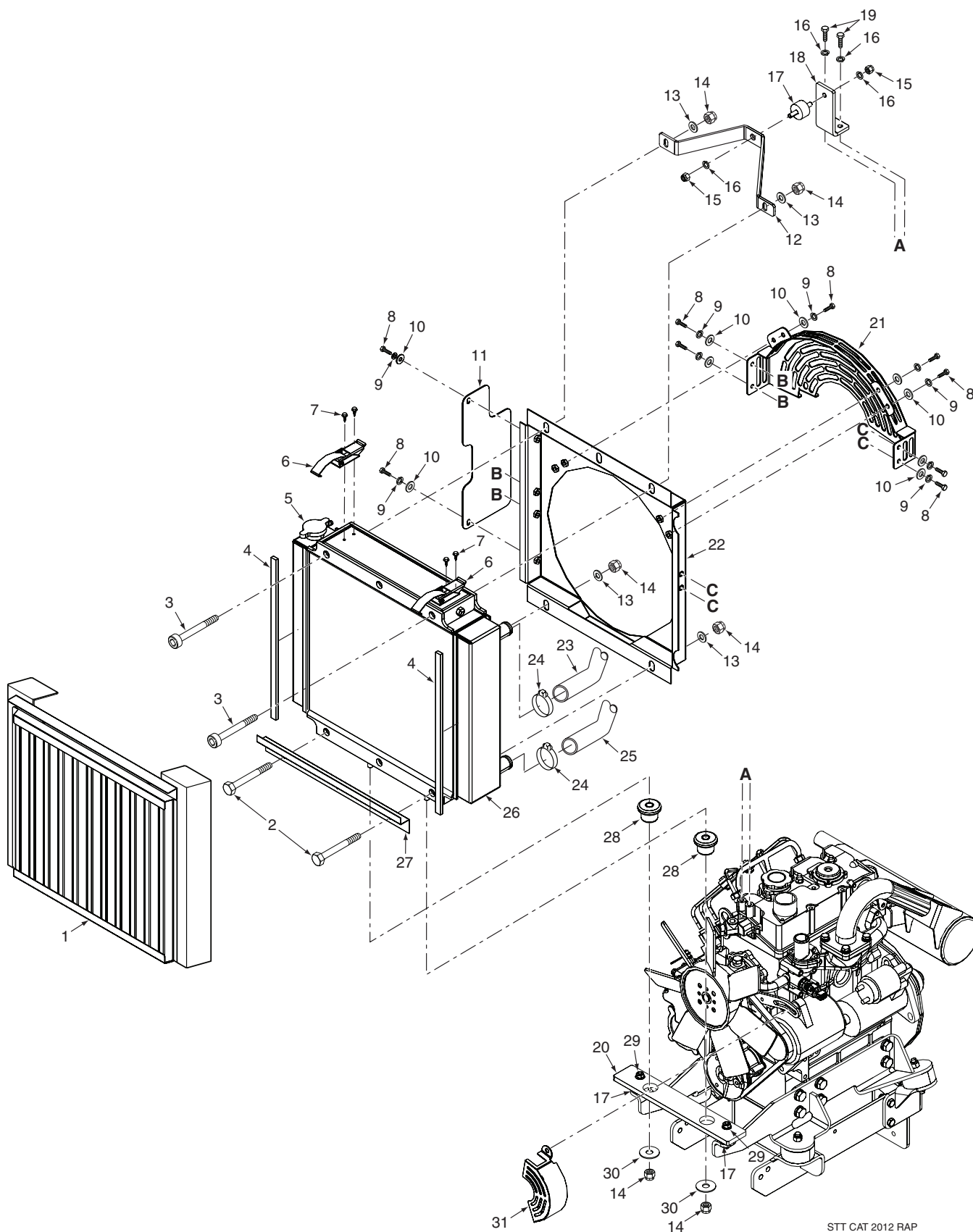


ENGINE & ATTACHING PARTS - CAT DIESEL

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1		** Hose, Coolant Reservoir Bottle	46	424907	Mounting Bracket Weldment RH
2	483739	Overflow Tank Assy. (includes #5)	47	424906	Mounting Bracket Weldment LH
3	04040-04	Flatwasher, SAE 5/16-.344 x .688 x .065	48	483351	Mount, Engine Isolation
4	04017-16	Bolt, Hex Head Serr. Flng 5/16-18 x 3/4"	49	424452	Plate, Rear Engine Mount
5	483781	Cap, Overflow Tank	50	04001-19	Bolt, Hex Head 3/8-16 x 1"
6	492161	Hood Assembly w/Decals (incl. 8, 9, 10, 11, 12, and 13)	51	04040-15	Flatwasher, 5/16" (.375 x .875 x .083)
7	04019-03	Nut, Serrated Flange 5/16-18	52	04021-22	Nut, Elastic Stop 5/16-18 Grade 8
8	04040-05	Flatwasher, 3/8-.406 x .812 x .065	53	04030-04	Lockwasher, 3/8" Spring
9	424634	Lock, Hood Latch	54	04021-09	Nut, Elastic Stop 3/8-16
10	483507	Spring, Hood Latch	55	424449	Plate, Engine Mount LH
11	424633	Latch, Hood	56	424448	Plate, Engine Mount RH
12	04009-07	Bolt, Shoulder 5/16-18 x 1/2"	57	04041-11	Flatwasher, 3/8" (.406 x 1.50 x 7 ga)
13	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"	58	04002-24	Bolt, Hex Head M12-1.25 X 25mm
14	04041-07	Flatwasher, 3/8-.391 x .938 x .105	59	04030-06	Lockwasher, 1/2" Spring
15	43740	Spacer, Hood	60	04001-19	Bolt, Hex Head 3/8-16 x 1"
16	483471	Disc, Anti Friction	61	425919	Bracket, Air Cleaner Mount
17	04019-04	Nut, Serrated Flange 3/8-16	62	04003-12	Bolt, Carriage 5/16-18 x 3/4"
18	04021-09	Nut, Elastic Stop 3/8-16	63	483485	Air Filter Assembly (Enginaire p/n 68665)
19	04041-11	Flatwasher, 3/8-.406 x 1.50 x 7 Gauge	64	483635	Rain Cap (Enginaire p/n 68381)
20	04110-01	U-Nut, 1/4"-20	65	483636	Air Filter, Inner (Enginaire p/n 68300)
21	424910	Muffler Guard	66	483637	Air Filter, Outer (Enginaire p/n 68340)
22	04017-05	Bolt, Hex Head Serrated Flange, 1/4-20 x 3/4"			
23	04001-176	Bolt, Hex Head 5/16-18 x 1-3/4" Grd 8			
24	452005	Pump Mounting Plate Weldment			
25	48136-09	Clamp, 2-1/4" Max. Dia.			
26	484569	Hose, Air Intake			
27	04002-12	Bolt, Hex Head M8-1.25 x 20			
28	04030-03	Lockwasher, 5/16" Spring			
29	483433	Elbow, 45 Degree			
30	481811	Oil Pressure Sender			
31	04002-21	Bolt, Hex Head M6-1.0 x 16			
32	04030-02	Lockwasher, 1/4" Spring			
33	483746	Throttle Cable			
34	04011-06	Screw, Self Tapping			
35	424580	Clamp			
36	424921	Mounting Bracket, Throttle Cable			
37		** Gasket, Muffler			
38	483841	Muffler, Cat Diesel			
39	43772	Stub Shaft, (Cat)			
40	04030-05	Lockwasher, 7/16" Spring			
41	04002-26	Bolt, Hex Head M10 x 1.5 x 35			
42	483360	Temperature Sensor, Engine Coolant			
43		** Engine, Cat Diesel 28HP (Available only through Cat Dealers)			
44	424924	Mount, Radiator			
45	483756	Mount, Radiator Isolation			

** Available through the individual engine manufacturer.

RADIATOR & ATTACHING PARTS - CAT DIESEL



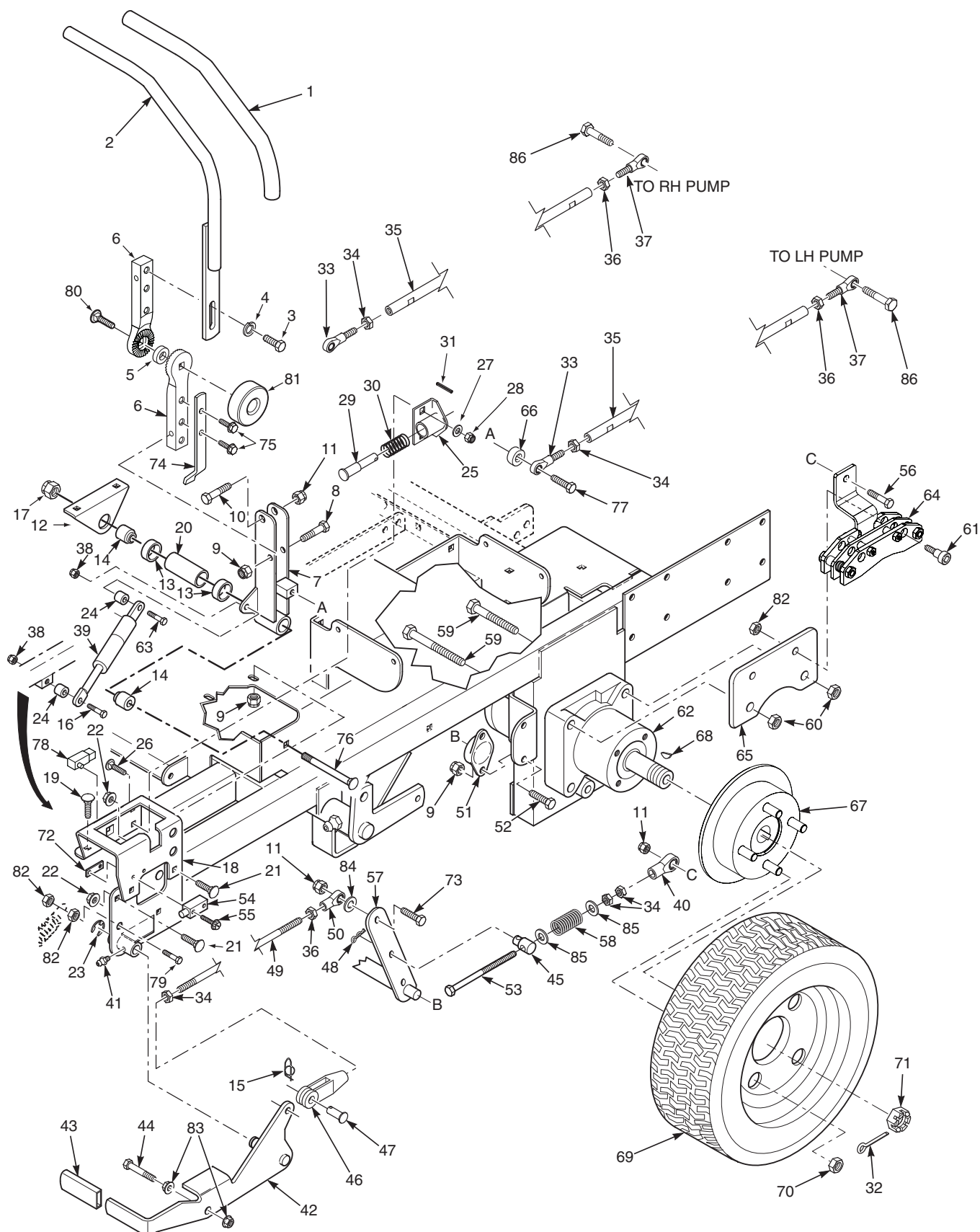
STT CAT 2012 RAP

RADIATOR & ATTACHING PARTS - CAT DIESEL

Ref. No.	Part No.	Description
1	452288	Debris Screen Weldment
2	04001-23	Bolt, Hex Head 3/8-16 x 4-1/2"
3	04015-19	Bolt, Socket Head 3/8-16 x 4-1/2"
4	483745	Foam, Seal, 1/2" x 1/4" x 14-1/2"
5		** Radiator Cap
6	481309	Latch, Hood
7	04011-11	Screw, #10-32 x .56
8	04001-06	Bolt, Hex Head 1/4-20 x .63"
9	04030-02	Lockwasher, 1/4" Spring
10	04040-14	Flatwasher, 1/4" (.312 x .750 x .065)
11	424944	Heatshield
12	425929	Bracket, Radiator Support
13	04041-07	Flatwasher, 3/8" (.391 x .938 x .105)
14	04021-09	Nut, Elastic Stop 3/8-16
15	04020-03	Nut, 5/16-18
16	04030-03	Lockwasher, 5/16"
17	483756	Mount, Radiator Isolation
18	424947	Bracket, Radiator Mount to Engine
19	04002-03	Bolt, Hex Head M8 x 1.25 x 25
20	424924	Mount, Radiator
21	452042	Guard, Fan
22	452008	Shroud Weldment, Radiator
23	483764	Hose, Upper Radiator
24	48136-14	Clamp, Hose, 1-3/4"
25	483765	Hose, Lower Radiator
26	483750	Radiator
27	424933	Support, Debris Screen
28	483755	Mount, Radiator Isolation
29	04019-03	Nut, Hex Serrated Flange 5/16-18
30	04041-11	Flatwasher, 3/8" (.406 x 1.50 x 7 ga)
31	452001	Guard, Belt
	483767	Alternator Belt (not shown)
	483809	Alternator (not shown)

** Available through the individual engine manufacturer.

BRAKE AND STEERING COMPONENTS

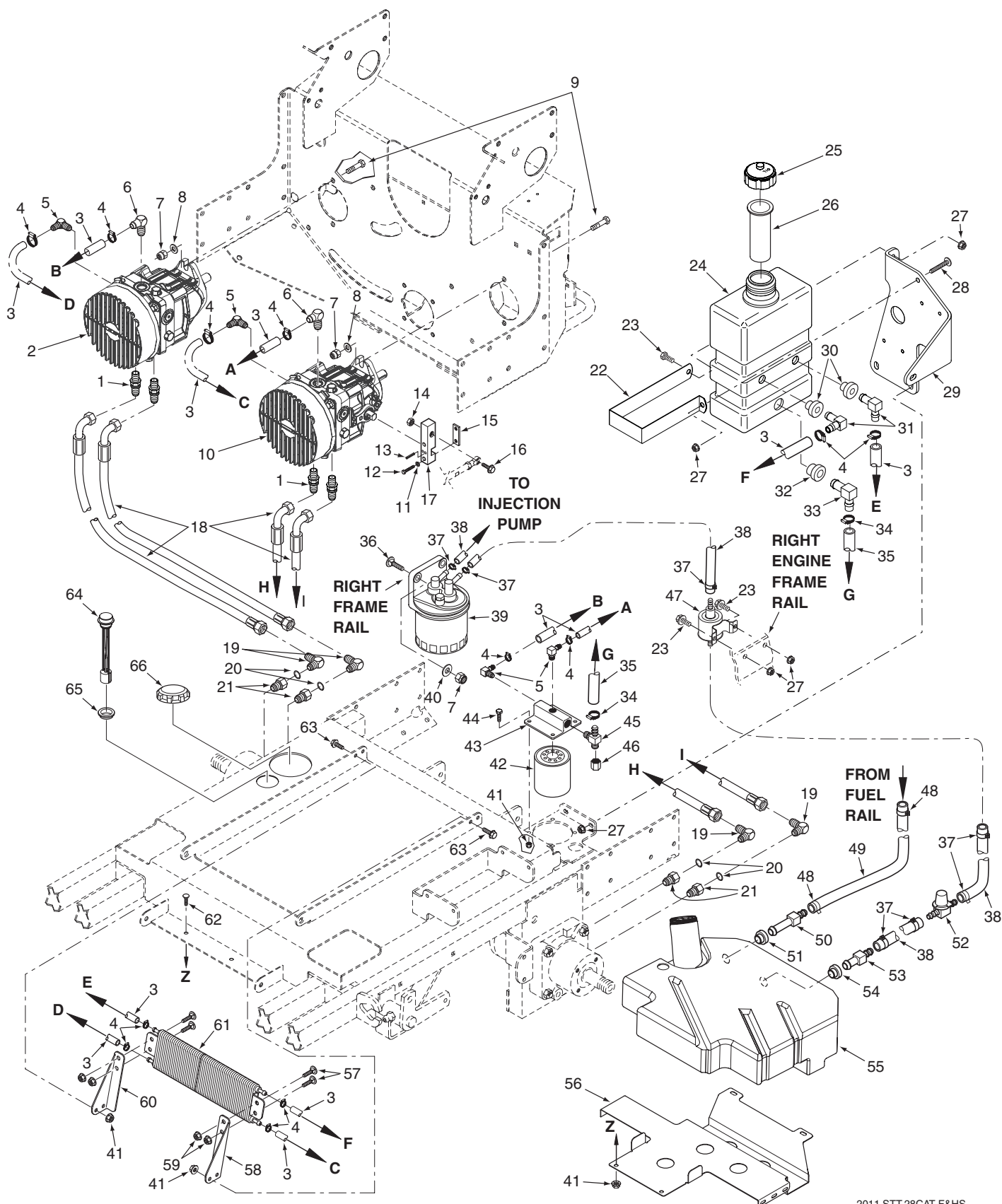


STT DB&SC

BRAKE AND STEERING COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	484376	Grip, Handle Bar	46	48343-04	Clevis, Traction Control
2	462402	Handle Bar, LH (Includes item 1)	47	04064-02	Pin, Clevis
	462403	Handle Bar, RH (Includes item 1)	48	04062-01	Hair Pin Cotter
3	04001-09	Bolt, Hex Head 5/16-18 x 1"	49	04004-49	Rod, Parking Brake
4	04030-03	Lockwasher, 5/16"	50	48544	Rod End, LH Thread
5	483250	Rubber Spacer	51	482061	Bushing, Self Align
6	483238	Bar, Control Lever	52	04001-08	Bolt, Hex Head 5/16-18 x 3/4"
7	451483	Control Lever Weldment, LH	53	04001-192	Bolt, Hex Hd 3/8-24 x 5-1/2"
	451484	Control Lever Weldment, RH	54	481637	Switch, Parking Brake
8	04001-17	Bolt, Hex Head 5/16-18 x 2"	55	04010-12	Screw, Hex Slotted Washer Head #10 32 x 3/4"
9	04021-10	Nut, Hex Elastic Stop 5/16-18			
10	04001-45	Bolt, Hex Head 3/8-16 x 2"	56	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
11	04021-09	Nut, Hex Elastic Stop 3/8-16	57	45953	Bellcrank, Brake Actuator
12	423488	Mount, Control Linkage	58	483737	Spring
13	48224	Ball Bearings, Neutral Return	59	04001-190	Bolt, Hex Hd 1/2-13 x 2-3/4" (upper)
14	43607	Spacer		04001-52	Bolt, Hex Hd 1/2-13 x 2-1/2" (lower)
15	04069-01	Pin, Rue Cotter 3/8 Dia.	60	04021-19	Locknut, Hex 1/2-13 Center Lock
16	04001-13	Bolt, Hex Head, 5/16-18 x 2.75 Zinc	61	04009-10	Bolt, Shoulder 1/2 x 3/8-16 x 2-3/4"
17	04021-13	Nut, Hex Elastic Stop 5/8-11	62	484108	Wheel Motor, Parker
18	461601	Bracket, Control Lever LH	63	04001-12	Bolt, Hex Head, 5/16-18 x 1.75, Zinc
	461602	Bracket, Control Lever RH	64	483701	Brake Caliper
19	04003-04	Bolt, Carriage 5/16-18 x 1"	65	424894	Mounting Bracket, Brake
20	43600	Spacer, Bearing	66	43063	Spacer
21	04003-12	Bolt, Carriage 5/16-18 x 3/4"	67	462104	Wheel Hub/Disk Brake Assembly
22	04019-03	Nut, Hex Serrated Flange 5/16-18	68	04063-25	Key, Woodruff 5/16 x 1"
23	04050-01	Ring, Retaining 5/8" External "E"	69	481850	Wheel Assembly 24 x 12-12 Turf Master
24	43602	Spacer		481851	Rim W/Valve Stem
25	45918	Bracket, Neutral Return		481852	Tire, 24 x 12-12 Turf Master
26	04003-02	Bolt, Carriage 1/4-20 x 3/4"	70	04028-02	Lug Nut, 1/2-20
27	04040-14	Flatwasher, 1/4" (.312 x .750 x .065)	71	48680	Nut, Hex Castle
28	04021-08	Nut, Hex Elastic Stop 1/4-20	72	422373	Threaded Plate
29	43477	Pin, Retaining Spring	73	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
30	481389	Spring	74	423491	Actuator, Switch
31	04060-01	Roll Pin, Spring 5/32 x 3/4"	75	04017-16	Bolt, Hex Serrtd Flng 5/16-18 x 3/4"
32	04061-06	Pin, Cotter 9/16 x 1-1/2"	76	04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"
33	482586	Rod End, Male 3/8-24 RH Thread	77	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
34	04020-25	Nut, 3/8-24 RH Thread	78	481638	Switch, Handle Neutral
35	483680	Tube, Control Link	79	04001-168	Bolt, Hex Head 3/8-16 x 1-1/4" Grd 8
36	04020-26	Nut, Hex 3/8-24 LH Thread	80	04003-05	Bolt, Carriage 3/8-16 x 1-1/2"
37	482585	Rod End, Male 3/8-24 LH Thread	81	483269	Knob
38	04021-05	Locknut, 5/16-18, Elastic Stop	82	04021-05	Nut, Center Lock 3/8-16
39	484151	Gas Damper	83	04019-04	Nut, Serrated Flange 3/8-16
40	482330	Rod End, 3/8-24 RH Female	84	04041-07	Flatwasher, 3/8-.391 x .938 x .105
41	48114-04	Grease Fitting	85	04040-05	Flatwasher, 3/8-.406 x .812 x .065
42	461082	Lever, Parking Brake (Inc. item 43)	86	04001-21	Bolt, Hex Head, 3/8-16 x 1-3/4"
43	481548	Grip, Parking Brake			
44	04001-22	Bolt, Hex Head 3/8-16 x 2-3/4"			
45	43773	Swivel Joint			

FUEL AND HYDRAULIC SYSTEM - CAT DIESEL



FUEL AND HYDRAULIC SYSTEM - CAT DIESEL

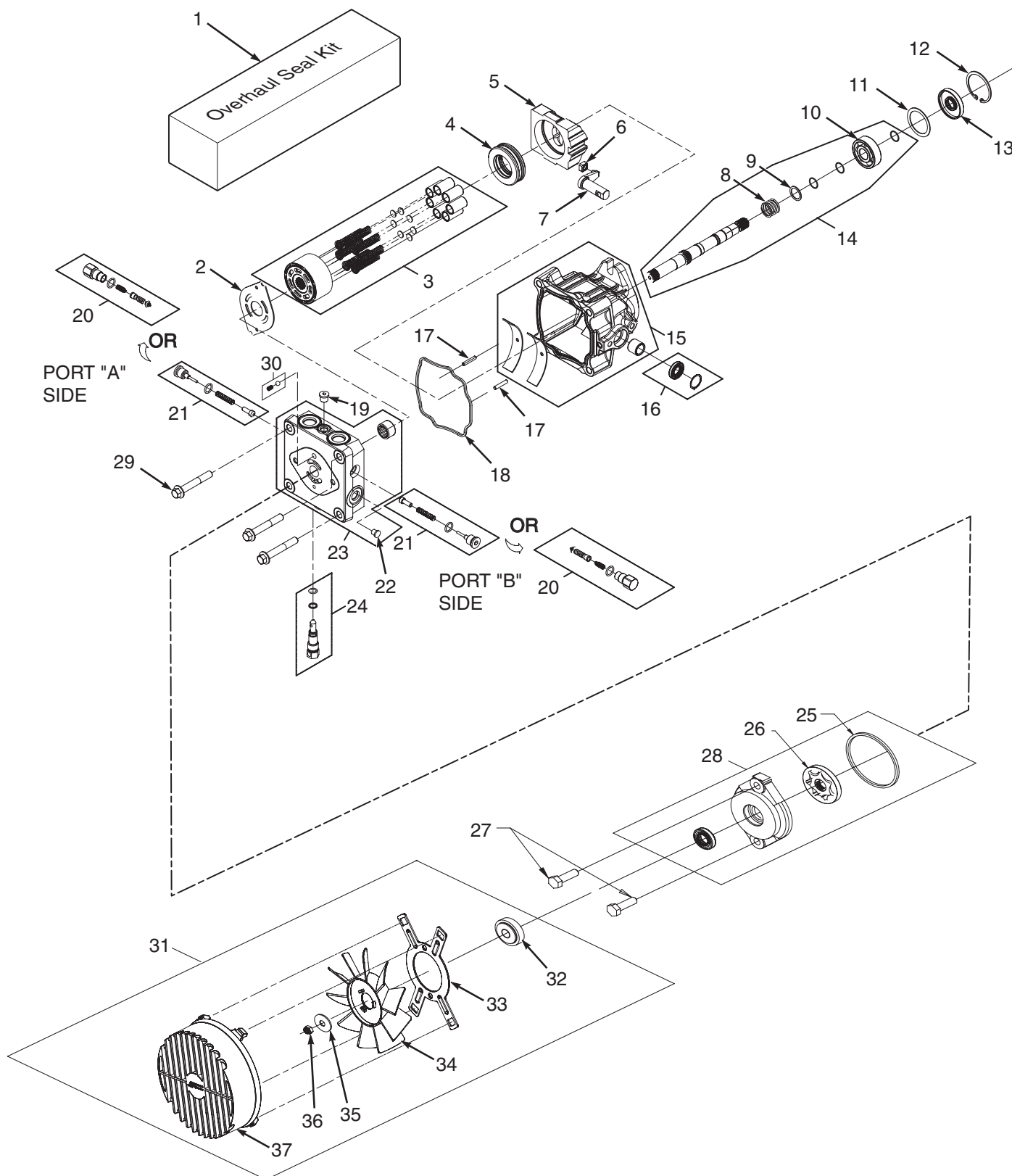
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	48572-06	Union, 3/4"-16 JIC x O-Ring	41	04019-03	Nut, Serrated Flange 5/16-18
2	483100	Pump, Right Hand, BDP 16A	42	48758	Oil Filter
3	48811	*** Hose, 3/8" ID Pushlock	43	482417	Oil Filter Base
4	48136-13	Hose Clamp, 0.69 dia.	44	04001-09	Bolt, Hex Head 5/16-18 x 1.0" Zinc
5	482266-01	Elbow, 90 Deg - 9/16 O-Ring x 3/8" Hose	45	482477	Tee, 3/4 O-Ring x JIC x 1/2" Hose
6	482266-02	Elbow, 90 Deg - 3/4 O-Ring x 3/8" Hose	46	48571-02	Cap
7	04021-09	Nut, Hex Elastic Stop 3/8-16	47	483768	Fuel Pump, Cat
8	04043-04	Flatwasher, 3/8" (.391 x .938 x .105) Grade 8	48	48059-03	Clamp, 3/16" ID
9	04001-20	Bolt, Hex Head 3/8-16 x 1.5"	49	481179	*** Hose, 3/16" Fuel Line
10	483101	Pump, Left Hand, BDP-16A	50	481778	Hose Fitting
11	04030-02	Lockwasher, 1/4" Spring	51	482571	Bushing
12	04001-04	Bolt, Hex Head, 1/4-20 x 1-1/2"	52	481308	Valve, Fuel Shutoff
13	04060-09	Roll Pin, Spring 3/16 x 3/4"	53	483749	Fitting, Hose with Screen
14	04021-05	Nut, Center Lock 3/8-16	54	482571	Bushing
15	422694	Clamp Plate, Pump Control	55	462305	Fuel Tank Assembly (incl. items 50, 51, 53, 54 & 64)
16	04001-21	Bolt, Hex Head, 3/8-16 x 1-3/4"	56	424914	Support Bracket, Fuel Tank
17	481793	Block, Pump Control	57	04003-07	Bolt, Carraige 1/4-20 x 3/4"
18	483805	Hose Assembly, Pump	58	424884	Mounting Bracket - LH, Oil Cooler
19	48350-01	Elbow, 90 Degree, 7/8-14 THD	59	04019-02	Nut, Serrated Flange 1/4-20
20	48603-02	O-Ring	60	424885	Mounting Bracket - RH, Oil Cooler
21	48938-02	Bushing, 7/8-14 JIC x 3/4-16 O-Ring	61	482505	Oil Cooler
22	423513	Strap, Hydraulic Tank	62	04003-12	Bolt, Carraige 5/16-18 x 3/4"
23	04001-01	Bolt, Hex Head 1/4-20 x 3/4"	63	04017-16	Bolt, Hex Head 5/16-18 x 3/4"
24	461451	Oil Reservoir Assembly (includes 26, 30, 31, 32, 33)	64	484251	Fuel Gauge Assy. (incl. item 65)
25	481164	Cap, Hydraulic Tank	65	484242	Seal, Fuel Gauge
26	481507	Insert, Filler Neck	66	484294	Cap, Fuel Tank
27	04021-08	Nut, Hex Elastic Stop 1/4-20			
28	04010-10	Screw, Phillips Head, 1/4-20			
29	424942	Support Bracket, Hydraulic Tank			
30	482571	Bushing, .56 Dia. Viton			
31	482572	Elbow, 90 Degree .38 Hose			
32	482573	Bushing, .78 Dia. Viton			
33	482574	Elbow, 90 Degree			
34	48136-05	Clamp, Hose			
35	48351	*** Hose Assembly, 1/2" ID (Oil Reservoir to Filter Base)			
36	04003-22	Bolt, Carraige 3/8-16 x 1"			
37	48059-04	Clamp, Fuel Hose 5/16" ID			
38	* 483620	*** Fuel Hose, 5/16" ID. Non-Perm			
39		** Fuel Filter			
40	04041-07	Flatwasher, 3/8" (.391 x .938 x .105)			

* High Pressure Fuel Line. MUST only be replaced with the part number listed.

** Available through the individual engine manufacturer.

*** Order by the inch.

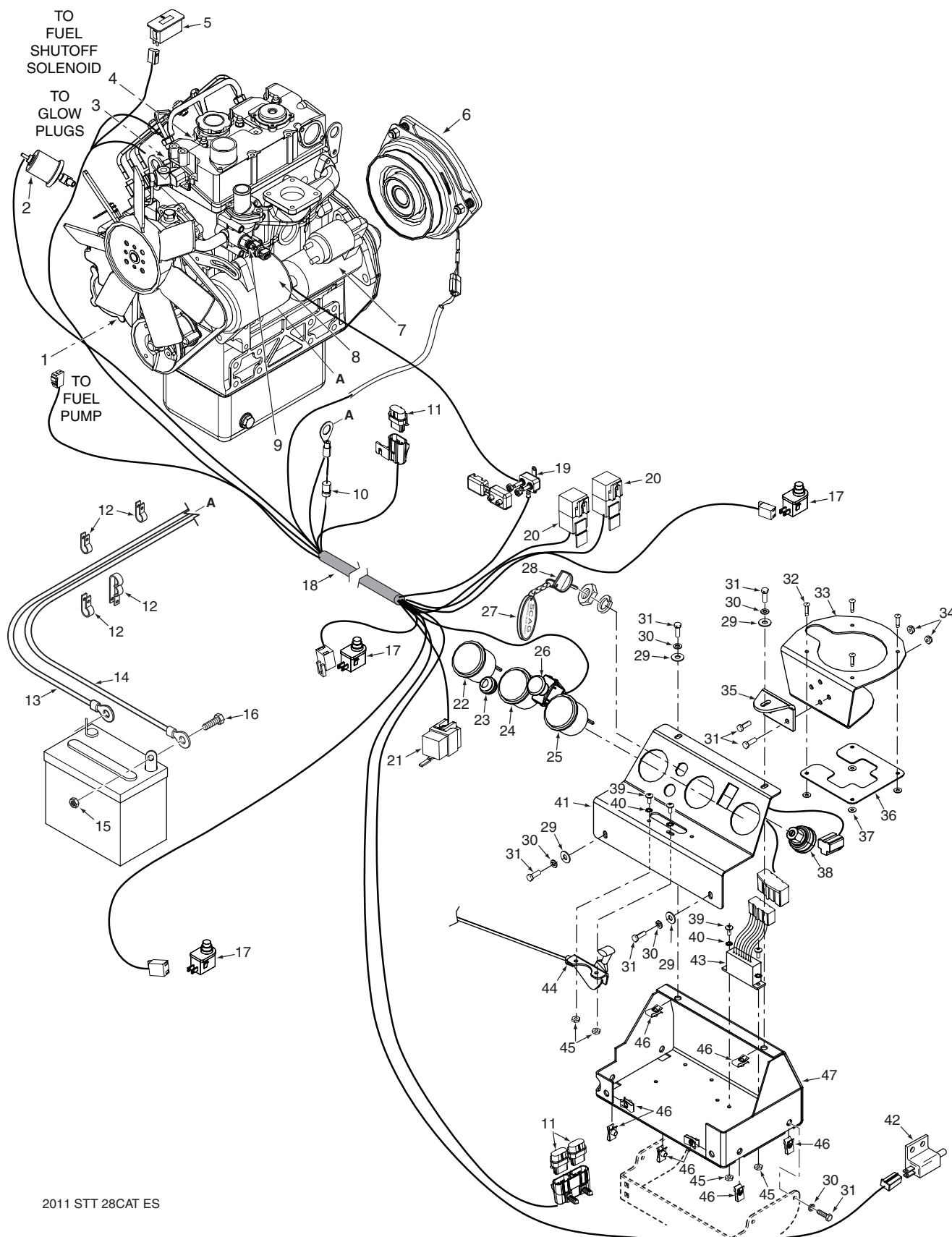
BDP-16A HYDRAULIC PUMP ASSEMBLY with Cooling Fan



BDP-16A HYDRAULIC PUMP ASSEMBLY with Cooling Fan

Ref. No.	Part No.	Description
1	HG70740	Overhaul Seal Kit
2	HG51455	Valve Plate
3	HG70735	Cylinder Block Kit - 16cc
4	HG51462	Thrust Ball Bearing Assembly
5	HG51436	Variable Swashplate
6	HG2000015	Slot Guide
7	HG2000014	Trunnion Arm
8	HG2000025	Block Spring
9	HG2000024	Block Thrust Washer
10	HG2000032	Shaft Ball Bearing
11	HG2000023	Spacer
12	HG2000038	Retaining Ring
13	HG51092	Seal
14	HG70578	Kit, Pump Shaft (keyed thru taper)
15	HG70738	Housing Kit
16	HG70739	Trunnion Seal Kit
17	HG50641	Pin
18	HG51437	O-Ring
19	HG9005110-7500	Straight Thread Plug
20	HG70743	Shock Valve Kit (.031 Orifice)
21	HG70742	Shock Valve Kit (.024 Orifice)
22	HG9005200-7500	Straight Thread Plug
23	HG70736	End Cap Kit
24	HG2513030	Bypass Valve Kit
25	HG9004100-1430	O-Ring
26	HG50406	Gerotor Assembly (.19 cu.in./rev.)
27	HG50173	Socket Head Cap Screw (M8 x 1.25-25mm)
28	HG70924	Charge Pump Kit (.19 STD. Splined)
29	HG51457	Hex Screw, Flanged Head (M10 x 1.50-65mm)
30	HG70402	Charge Relief Kit
31	HG71287	Fan Kit (incl. items 32, 34, 35, 36)
32	HG51348	Hub
33	HG52016	Bracket, Shroud
34	HG52014	Fan
35	HG52256	Washer
36	HG44809	Nut
37	HG52059	Shroud

ELECTRICAL SYSTEM - CAT DIESEL

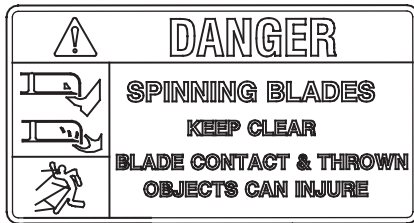


ELECTRICAL SYSTEM - CAT DIESEL

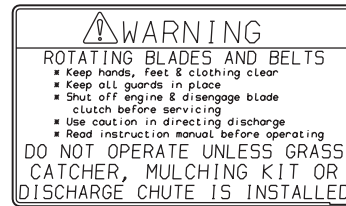
Ref. No.	Part No.	Description
1		** Fuel Pump
2	481811	Oil Pressure Sender
3		** Glow Plugs
4		** Fuel Shutoff Solenoid
5	484566	Hourmeter
6	462011	Clutch, Ogura GT 3.5 - 1.125 Bore
7		** Starting Motor
8	483809	Alternator
	483767	Alternator Belt (not shown)
9	483360	Sending Unit, Water Temp.
10	482253	Diode
11	48298	Fuse, 20 AMP
12	48030-09	Clamp, Cable 1/2" ID.
	48030-10	Clamp, Cable 3/4" ID.
	48030-11	Clamp, Double Cable 5/8" ID.
13	481176-10	Cable, Battery - Red
14	481176-11	Cable, Battery - Black
15	04020-02	Nut, Hex 1/4-20
16	04001-44	Bolt, Hex Head 1/4-20 x .5"
		Battery, (Not Available Through Scag)
17	481638	Switch, Interlock, Normally Open
18	484659	Main Wire Harness, STT Cat
19	482784	Circuit Breaker, 50 AMP
	482785	Cover, Circuit Breaker
20	481826	Relay, 12V 40 AMP Hi Capacity
21	483013	Relay, 12V 40 AMP Standard
22	481184	Volt Meter (Includes Mounting Hardware)
23	481182	Indicator Light, Glow Plugs (Includes Mounting Hardware)
24	481805	Engine Oil Pressure Gauge (Includes Mounting Hardware)
25	481183	Water Temperature Gauge (Includes Mounting Hardware)
26	483957	Switch, PTO
27	462138	Key Assembly w/Fob
28	483771	Key, Ignition
29	04040-14	Flat Washser, 1/4"
30	04030-02	Lockwasher, 1/4"
31	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
32	04090-02	Pop Rivet, 3/16" x 5/8"
33	9240	Cupholder
34	04021-08	Nut, Elastic Stop 1/4"-20
35	423674	Bracket, Cupholder Mounting
36	482544	Retainer, Cupholder
37	04041-19	Flatwasher, 0.196 ID.
38	483758	Key Switch (Includes Mounting Hardware)
39	04010-01	Screw, Phillips Washer Head #10-32 x 1/2"
40	04031-01	Lockwasher, #10 External Tooth
41	462146	Instrument Panel, Top w/Decals
42	481637	Switch, Interlock, Park Brake Normally Open
43	484054	Electronic Control Module
44	483746	Throttle Control
45	04020-01	Nut, Hex #10-32
46	04110-01	U-Nut, 1/4-20
47	451879	Base, Instrument Panel

** Available through the individual engine manufacturer.

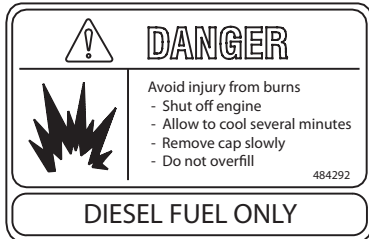
REPLACEMENT DECALS AND INFORMATION PLATES



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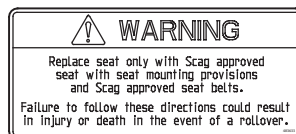
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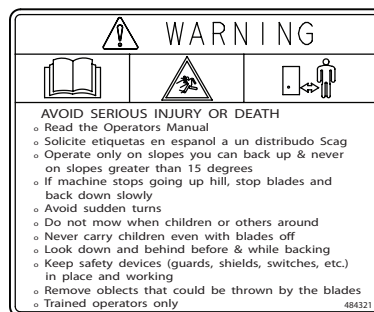
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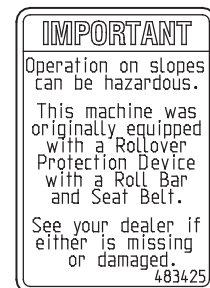
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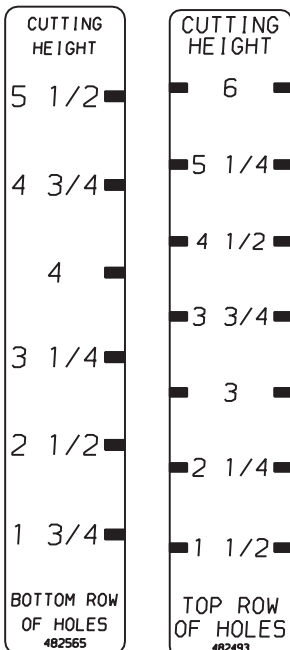
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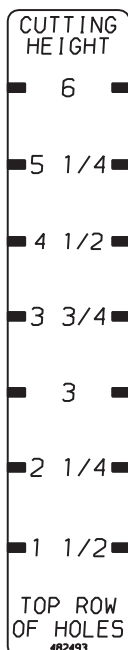
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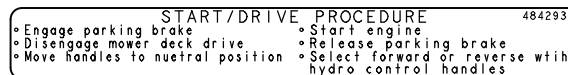
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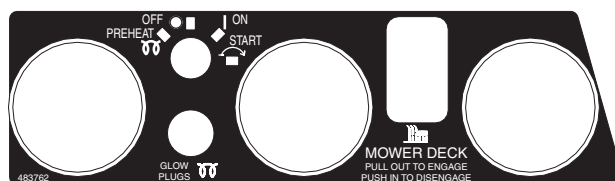
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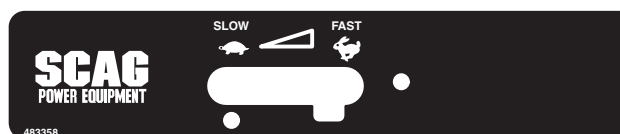
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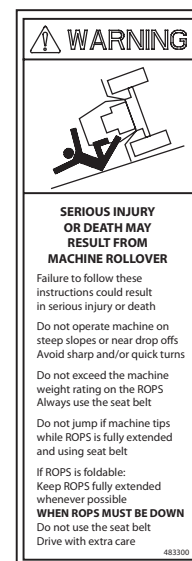
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16

REPLACEMENT DECALS AND INFORMATION PLATES

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	483407	Decal, Danger-Spinning Blades	21	483727	Decal, Scag Logo
2	483406	Decal, Warning-Rotating Blades	22	48404	Decal, Metalcraft-Made In USA
3	484292	Decal, Fuel Tank	23	483509	Decal, Scag Diesel Powered
4	483201	Decal, 61" Velocity Plus	24	481664	Decal, Stripes-RH
5	483693	Decal, 72" Velocity Plus	25	481663	Decal, Stripes-LH
	481568	Decal, Traction Control	**	461982	Spanish Decal Kit, STT
6	483633	Decal, Seat Replacement			
7	481971	Decal, Heavy Duty Commercial			
8	483402	Decal, Belt Cover			
9	484321	Decal, Warning			
10	483425	Decal, ROPS			
11	482565	Decal, Cutting Height - Lower			
12	482493	Decal, Cutting Height - Upper			
13	484293	Decal, Start/Drive Procedure			
14	483762	Decal, Instrument Panel - Upper (CAT)			
15	483358	Decal, Instrument Panel - Lower (CAT)			
16	483300	Decal, ROPS Warning			
17	484320	Decal, Checks and Adjustments			
18	482577	Decal, Turf Tiger			
19	483405	Decal, Warning			
20	483229	Decal, Turf Tiger			

IMPORTANT ADJUSTMENT PROCEDURES
 READ OPERATORS MANUAL FOR MORE DETAILS
 Check tire pressure - (Drive tires-12 psi, Caster tires-Flat Free)

HYDRAULIC FLUID LEVEL
 Check hydraulic fluid level while fluid is cool. Fluid level should be 3" below top of filler neck. Fill with SAE 20W50 motor oil only.

IMPORTANT
 Do not overfill. Room for hot fluid expansion must be allowed or resulting expansion may cause leaks in the system

Gearbox Lubricant:
 SAE 80W90 gear oil

IMPORTANT
DRIVESHAFT MAINTENANCE
 Grease yokes 3-4 pumps Every 200 hours

Grease spline 8-10 pumps Every 50 hours

NEUTRAL ADJUSTMENT
 Loosen jam nuts
 Rotate turnbuckle
 With an operator in the seat, engine running, control levers in neutral and the parking brake disengaged - adjust control linkage. Loosen jam nuts. If wheel rotates forward, adjust turnbuckle CCW. If wheel rotates rearward, adjust turnbuckle CW. Adjust until drive wheel stops turning. Tighten jam nuts. Repeat for opposite side.

TRACKING ADJUSTMENT
 If the machine pulls to the right, adjust LH control linkage CCW to slow left wheel. If the machine pulls to the left, adjust RH control linkage CCW to slow right wheel. Readjust neutral if necessary.

FREE WHEEL OPERATION
 To move machine without running the engine, rotate both dump valves located at the LH side of the pumps CCW 1/2 turn to "Freewheel" positions. Return dump valves to original position to operate the mower. Tighten to 7-10 ft-lbs.

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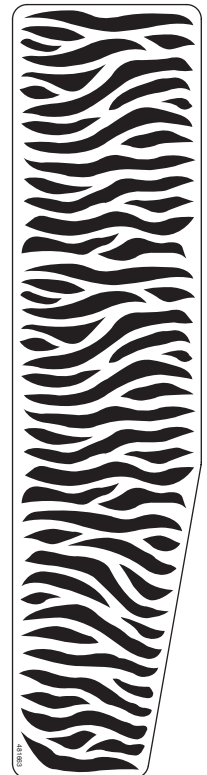
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ELECTRICAL SCHEMATIC - CAT DIESEL

